

NWS Form E-5

(04-2006)

(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

San Angelo, TX

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

YEAR

May

2007

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE

Jason Johnson

DATE

June 20, 2007

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

☒ An X inside this box indicates that no flooding occurred within this hydrologic service area.

May was another generous month, as widespread rainfall continued to liven up west central Texas. Thunderstorms that developed late in April carried into the first couple of days in May. In addition to some severe weather reports, heavy rain (two to four inches) across parts of the eastern Concho Valley and much of the Heartland caused urban flooding in Brownwood as well as localized flooding of rural roads. Across the Big Country, widespread one to two inches of rain fell over the first few days of May.

After a very short break from the wet weather, a moist and unstable atmosphere set off several rounds of severe thunderstorms from May 6 through 9. Again, heavy rain was generated across much of the hydrologic service area (HSA) that caused flooding. One to three inches of rain was widespread across the area. Significant flooding occurred at Ozona in Crockett County. Over already saturated ground, three inches of rain fell in a short period of time along eastern Crockett County. Gurley Draw and Johnson Draw flooded quickly in Ozona and made numerous roads impassable. After floodwaters receded, officials reported damage to city streets from debris and water.

While scattered showers occurred across the HSA from May 12 through May 21, the next notable event began late on May 24. Several slow moving upper level disturbances moved across a moist atmosphere and kicked off numerous showers and thunderstorms. Areas of heavy rain fell across the southern half of the HSA, where as much as three to five inches over isolated areas in the Concho Valley, Heartland, Northwest Hill Country and Northern Edwards Plateau. Flooding along the South Llano River closed Highway 377 south of Junction. The Llano River near Junction crested around 13.5 feet on May 25, which is below flood stage (16 feet).

A few more showers and thunderstorms across the region late in the month helped much of the southern half of the HSA to receive above normal rainfall for May. Average rainfall reported from coop observers in May was 6.03 inches. The highest monthly rainfall total of 9.31 inches was reported in Runnels County. Coop observers in Brown, Coleman, Concho, Crockett, Runnels, San Saba, Schleicher, Sutton, Taylor and Throckmorton Counties received over seven inches of rain in May.

The San Angelo Regional Airport received 4.74 inches of precipitation during May, which was 1.65 inches above normal for the month. The monthly normal rainfall for San Angelo in May is 3.09 inches.

The Abilene Regional Airport received 5.63 inches of precipitation during May, which was 2.80 inches above normal for the month. The monthly normal rainfall for Abilene in May is 2.83 inches.

Junction received 3.98 inches of rain in May. The estimated average monthly rainfall in May is about 3.25 to 3.50 inches.

Coop Observer Rainfall Totals for May, 2007:

Station Name	Amt (in)	Station Name	Amt (in)
Abilene 2	5.30	Merkel 12SW	7.03
Acton Ranch	6.28	Oak Creek Lake	6.83
Albany	5.75	Ozona	8.63
Anson	4.97	Ozona 22SE	6.00
Ballinger 2NW	9.31	Paint Rock	7.13
Brady	5.74	Putnam	6.66
Brownwood	7.28	Red Bluff Crossing	8.89
Burkett	6.58	Richland Springs	4.64
Coleman	5.01	Robert Lee	3.96
Concho Park	5.71	Roscoe	5.50
Eden	4.27	Rotan	3.79
Eldorado	6.89	San Angelo WFO	5.42
Eldorado 10W	8.20	San Saba 7NW	8.17
Eldorado 12N	7.16	Silver Valley	5.67
Fort Griffin	6.23	Sonora	5.94
Fort McKavett	5.90	Stamford	2.06
Glen Cove	5.62	Sterling City	3.58
Hamlin	3.95	Taylor Ranch	8.80
Haskell	5.04	Telegraph	4.60
Hords Creek	7.37	Throckmorton 7NE	7.55
Humble Pump	8.97	Water Valley	6.02
Junction 4SSW	5.17	Water Valley 11NE	4.37
Lake Abilene 6WNW	4.25	Winters	6.45
Lawn	3.90	Woodson	7.62
London 3N	4.76		
Mason	5.18	(M) <i>Missing data</i>	
Menard	6.03	(T) <i>Trace</i>	

Reservoir Conditions (end of May, 2007)

Reservoir	Conservation Capacity (Ac-Ft)	End of Month Capacity (Ac-Ft)	Percent of Capacity (%)
Fort Phantom Hill	70,030	52,210	75
Lake Stamford	52,700	48,090	93
Hubbard Creek Lake	317,800	180,600	57
Hords Creek Lake	8,800	5,620	69
Lake Brownwood	131,428	131,428	100
E.V. Spence	488,760	75,370	15
O.C. Fisher	119,200	8,070	7
O.H. Ivie	554,340	261,100	47
Twin Buttes	177,800	54,140	30

Hydro Products Issued

FFA = 21

FFW = 47

FFS = 27

FLS = 67 (Flood Advisory)

FLW = 2 (Aerial Flood Warning)

FLW = 1 (Forecast Point)